

Addressing the Standards (NRC 1996; USOE 2003).

National Science Education Standards (NRC 1996)	Utah Core Curriculum Standards and Intended Learning Outcomes (USOE 2003)
Science as Inquiry (p. 105) <ul style="list-style-type: none">• Abilities necessary to do scientific inquiry• Understanding about scientific inquiry	Intended Learning Outcomes (p. 7) <ul style="list-style-type: none">• Use science process and thinking skills
Physical Science (p. 106) <ul style="list-style-type: none">• Motions and forces	Students will understand the relation between force, mass, and acceleration (p. 36) <ul style="list-style-type: none">• Analyze forces acting on an object.• Using Newton's second law, relate the force, mass, and acceleration of an object• Explain that forces act in pairs as described by Newton's third law
History and Nature of Science (p. 108) <ul style="list-style-type: none">• Science as a human endeavor• Nature of scientific knowledge	Intended Learning Outcomes (p. 8) <ul style="list-style-type: none">• Demonstrate understanding of the nature of science

References

National Research Council (NRC). 1996. *National science education standards*. Washington, DC: National Academies Press.

Utah State Office of Education (USOE). 2003. *Secondary Core Curriculum*. www.schools.utah.gov/curr/core/corepdf/Scie9-12.pdf